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KEYSTONE BRIDGE COMPANY.

LONG SPAN BRIDGES.

General Office and Works, Pittsburgh, Pa.

PRESIDENT'S OFFICE, SE

No. 218 South Fourth Street, Philadelphia

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From ...

REFERENCE. PAMPHLET.

KEYSTONE BRIDGE COMPANY,

ENGINEERS AND CONTRACTORS FOR THE CONSTRUCTION OF

Railway and Highway Bridges,

OF STEEL, IRON, OR WOOD,

IRON ROOFS, IRON AND WOODEN BUILDINGS, ROLLING MILLS, STEEL WORKS,
ENGINES AND TOOLS, HYDRAULIC MACHINERY, HYDRAULIC FORGINGS,
BUCKLE PLATES, TUBULAR COLUMNS OF IRON OR STEEL,

AND

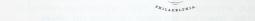
General Machine and Foundry Work.

IMPROVED WROUGHT-IRON TURN-TABLES.

Culway and Highway Bridge



Nos. 718 and 717 Market Street,





President, J. H. LINVILLE, C. E., Office, 218 South Fourth St., Philadelphia.

General Manager, J. L. PIPER. Pittsburgh, Pa.

Asst. General Manager, A. G. SHIFFLER, Pittsburgh, Pa.

Treasurer, THOMAS M. CARNEGIE, Pittsburgh, Pa.

Secretary, A. D. CHERRY. Pittsburgh, Pa.

Western Office. Metropolitan Block, Corner Randolph and La Salle Streets, Chicago, Ill., A. GOTTLIEB. Engineer.

Directors:

J. H. LINVILLE.

ANDREW CARNEGIE,

A. G. SHIFFLER.

J. L. PIPER.

THOMAS M. CARNEGIE. JOHN A. WILSON. ROBERT PITCAIRN.



BRIDGE OVER THE MISSISSIPPI AT ST. LOUIS. SPANS 520 AND 515 PRET.

Constructed with arches of crucible cast-steel, manufactured and erected, on guys depending from temporary towers, the towers standing on hydraulic rams. cables without scaffolding, by the Keystone Bridge Company. The cut illustrates which were automatically moved to compensate for changes of temperature in the the methods employed to erect the arched ribs, by suspending them by means of cables.



CHANNEL SPAN, NEWPORT AND CINCINNATI BRIDGE SPAN, 420 PERT.

This Company has creeted bridges over the Ohio River at Steubenville, 320 and perfection of details, this bridge stands unrivaled in this and probably in any feet span, Parkersburg, 350 feet span, Belair, 350 feet span, and is erecting the country. The designs were prepared under the supervision of J. H. Linville, Cincinnati Southern Bridge, 520 feet span, which will be the longest truss in the President, and Chief Engineer of the Company, who was also Chief Engineer of the world. This bridge will be entirely of wrought-iron. In accuracy of proportions, Newport and Cincinnati bridge.



BRIDGE DESIGNED TO CROSS THE HUDSON RIVER, AT POUGHKEEPSIE.

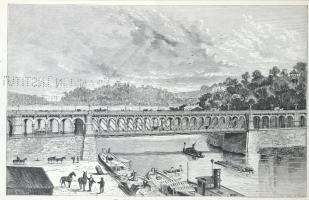
Surveys, soundings, and plans for this structure were made by J. H. Liuville, pany to secure funds for the work, the contract was declined by the Keystone Bridge former Chief Engineer; but owing to the failure of the Poughkeepsie Bridge Company.

KEYSTONE BRIDGE COMPANY, PITTSBURGH, CHICAGO, AND PHILADELPHIA.



ORIGINAL WORKS OF THE KEYSTONE BRIDGE COMPANY

In addition to the extensive new works erected by the Company, the large contracts in hand have rendered it necessary to continue the original works in full operations in hand have rendered it necessary to continue the original works in full operations. Special facilities are provided in the latter for the construction of improved wrought-iron turn-tables and light bridge work.



FAIRMOUNT BRIDGE.

The trusses of this immense span were designed by J. H. Linville, to whom the | for a load of 1200 tons, in addition to its weight. It has upper and lower roadways first premium was awarded by the City Councils. The bridge was erected by the for vehicles and street cars, and sidewalks for pedestrians. This truss is considered the Keystone Bridge Company. The river span contains 1900 tons of iron, and is designed finest in the world.

THE KEYSTONE BRIDGE COMPANY.

PIPER'S PATENT RIVETLESS COLUMNS.



CLOSED AND HERMSTICALLY SEALED IN ROLLS

Equal in Strength to Riveted Columns,

AS DEMONSTRATED BY CRUCIAL TESTS, AND MUCH CHEADER







ALSO, MANUFACTURERS OF

Linville Patent Bolted Columns, Square Columns, ETC., ETC.,

FOR BRIDGES AND ARCHITECTURAL WORK.



SEND FOR LITHOGRAPHS



Extensive additions to these works will probably be completed during the year | pany possesses ample capital and facilities for the prompt execution of important 1876. They now contain tools of superior character for every description of bridge work. The construction of Market Street Bridge in twenty days, and four spans and girder work. Hydraulic forging, power riveting, machine and engine work, roll of iron bridge in forty days, are instances of unequaled rapidity in bridge constructurning, etc. An extensive Iron Foundry is connected with these works. The Com- tion.



UNION IRON MILLS.

These extensive mills are especially provided with facilities to supply all our demands for rolled beams, shapes, column iron, plates and bars of any size or length affording us the opportunity of inspecting the manufacture of our bridge irons.



of the largest and best in the United States. The metal produced is of superior | manufacture of special shapes of iron and steel for bridge construction. quality for bridge construction and for Bessemer steel. These works belong to the

The metal used in our manufactures is supplied principally by this Furnace, one | Messrs. Carnegie Brothers & Company, who are devoting great attention to the

The Keystone Bridge Company has constructed about THIRTY MILES in length of iron truss, plate girder, lattice girder, and wooden Howe truss bridges, in the United States and South America.

The bridges have been constructed for the following companies, the officers of which may be referred to for information as to the character of our work.

Pennsylvania R. R. Co. Pittsburgh, Ft. Wayne and Chicago R. R. Co. Pittsburgh, Cincinnati and St. Louis R. R. Co. Baltimore and Ohio R. R. Co. Central Railroad of New Jersey New York and Long Branch R. R. Co. Lehigh Valley R. R. Co. Lehigh and Susquehanna R. R. Co. Boston, Hoosac Tunnel and Western R. R. Co. New Haven and Northampton R. R. Co. Norwich and Worcester R. R. Co. Toledo, Wabash and Western R. R. Co. Ralsimore Short Line R. R. Co. Baltimore, Pittsburgh and Chicago R. R. Co. Vermont and Massachusetts R. R. Co. Cincinnati Southern Rv. Co. United Railroads of New Jersey. North Missouri R R Co. Chicago, Alton and St. Louis R. R. Co. Illinois Central R. R. Co. Cleveland Mt. Vernon and Delaware R R Co.

Pittsburgh and Cleveland R. R. Co.

Michigan Southern and Northern Indiana R. R. Co. Chicago and North-Western R. R. Co. Philadelphia, Wilmington and Baltimore R. R. Co. Allegheny Valley R. R. Co. Pittsburgh, Washington and Baltimore R. R. Co. Little Miami, Columbus and Xenia R. R. Co. Pacific R. R. of Missouri. Northern Central Ry. Co. West Chester and Philadelphia R. R. Co. Connecting Ry. of Philadelphia. Terre Haute and Indiananolis R. R. Co. Baltimore and Potomac R. R. Co. Marietta and Cincinnati R R. Co. New Orleans, Mobile and Chattanooga R. R. Co. New Haven, Middletown and Willimantic R. R. Co. New Jersey R. R. and Transportation Co. Junction Ry, of Philadelphia. Little Miami R. R. Co. Philadelphia, Germantown and Norristown R. R. Co. Oil Creek and Allegheny River R. R. Co. Philadelphia and Erie R. R. Co. Williamsport and Elmira R. R. Co.

Shamokin R. R. Co. Bennett's Branch R. R. Co. Comberland Valley R. R. Co. Mifflin and Centre County R. R. Co. Tyrone and Clearfield R. R. Co. Harrisburg and Potomac P. P. Co. Alexandria and Fredericksburg R. R. Co. Mississippi River Bridge Co. Sharpsburg and Lawrenceville Bridge Co. Dubuque and Dunleith Bridge Co. Keekuk and Hamilton Bridge Co. Newport and Cincinnati Bridge Co. Illinois and St. Louis Bridge Co. Thomas Iron Works. Chicago City. Allegheny City. Cuvahora. Kansas City. City of Philadelphia Delaware Division, Pennsylvania Canal. San Paulo and Rio Janeiro R. R. Co., Brazil, S. A.

THE KEYSTONE BRIDGE COMPANY,

BUILDERS O

LONG SPAN BRIDGES,

Steel, Iron, and Wooden Railway and Road Bridges, Iron Roof-Trusses, Wrought-Iron Turn-Tables, Buildings,

"LINVILLE & PIPER" PATENT WROUGHT-IRON BRIDGES,

"Wrought-Iron Riveted and Rivetless Columns" for Bridges and Buildings, Buckle Plates, Hydraulic Forgings,

"UPSET EYE-BARS,"

PIVOT BRIDGES, IRON VIADUCTS, IRON PIERS, SUSPENSION BRIDGES, COMPOSITE BRIDGES, BRIDGE BOLTS,
AND GENERAL MACHINE WORK.

Office and Works, 51st and Harrison Sts. (18th Ward), Pittsburgh, Pa. Western office, Cor. randolph and La Salle Sts., Chicago.

Album of designs and description of important bridges sent free on application to J. H. LINVILLE, President, 218 South Fourth Street, Philadelphia.

The Keystone Bridge Company has able and experienced bridge engineers at its principal offices, who will examine localities and advise as to the best methods and plans for replacing existing bridges, and furnish designs and specifications for new bridges. These examinations will have the special siteration of the President and General Managers of the Company, who are precisal constructions of great experiences of presidences and precisal constructions of great experiences.





CHANNEL SPAN, NEWPORT AND CINCINNATI BRIDGE.

SPAN, 420 FEET.